

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/000445

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1 - 17	YES
	Claims		NO
Inventive step (IS)	Claims	1 - 17	YES
	Claims		NO
Industrial applicability (IA)	Claims	1 - 17	YES
	Claims		NO

2. Citations and explanations :

Reference is made to the following documents:

D1: "Selective Fast Motion Estimation with Variable Motion Block Sizes", Proc. Intern. Workshop on Advanced Image Technology, pp. 101-106, Jan. 2003.
D2: ITU-Telecommunications Standardization Sector, STUDY GROUP 16 Question 6, Video Coding Experts Group(VCEG), 14th Meeting: Santa Barbara, CA, USA, 24-27 Sep. 2001.
D3: ITU-T Recommendation H.262 and ISO/IEC 13818-2, Generic Coding of Moving Pictures and Associated Audio Information: Video, 1995.
D4: US 0099292 A1
D5: US 0099294 A1

While D1 to D4 disclose prediction methods using multiple reference frames, the subject matter of the present claim 1 to 17 differs therefrom in that the detailed reference frame index assignment method in macroblock level is not the same as that in the documents D1 to D4.

Thus the novelty and inventive step of the subject matter claimed can be acknowledged under the documents D1 to D4.

While D5 is considered to represent the most relevant state of the art, the opinion has been done considering the novelty and inventive step except for the document D5(US 0099294 A1 (Wang et al.) 29.05.2003), which is published prior to the international filing date but later than the priority date claimed priority date 03.03.2003.

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Box No. VI Certain documents cited

1. Certain published documents (Rule 43bis.1 and 70.10)

<u>Application No. Patent No.</u>	<u>Publication date (day/month/year)</u>	<u>Filing date (day/month/year)</u>	<u>Priority date (valid claim) (day/month/year)</u>
US 0099292 A1	29/05/2003	20/11/2002	
US 0099294 A1	29/05/2003	20/11/2002	

2. Non-written disclosures (Rule 43bis.1 and 70.9)

<u>Kind of non-written disclosure</u>	<u>Date of non-written disclosure (day/month/year)</u>	<u>Date of written disclosure referring to non-written disclosure (day/month/year)</u>
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